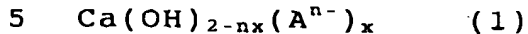


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CLAIMS

1. Calcium hydroxide represented by the following formula (1):



(wherein n represents an integer of 1 to 4, x represents a number of 0.01 to 0.2, and A^{n-} represents an anion derived from at least one compound selected from the group consisting of a silicon-based compound, a
10 phosphorus-based compound, an aluminum-based compound, an inorganic acid and an organic acid.)

2. The calcium hydroxide of claim 1, wherein A^{n-} is $\text{SiO}(\text{OH})_3^-$, $\text{Al}(\text{OH})_4^-$, Cl^- , NO_3^- , H_2PO_4^- , $\text{C}_6\text{H}_7\text{O}_7^-$,
15 $\text{SiO}_2(\text{OH})_2^{2-}$, $\text{Si}_2\text{O}_6(\text{OH})_6^{2-}$, HPO_4^{2-} , $\text{C}_6\text{H}_6\text{O}_7^{2-}$, PO_4^{3-} , $\text{C}_6\text{H}_5\text{O}_7^{3-}$, SiO_4^{4-} , $\text{Si}_4\text{O}_8(\text{OH})_4^{4-}$ or a mixture thereof.

3. The calcium hydroxide of claim 1, wherein A^{n-} is $\text{SiO}(\text{OH})_3^-$, $\text{SiO}_2(\text{OH})_2^{2-}$, $\text{Al}(\text{OH})_4^-$ or a mixture thereof.
20

4. The calcium hydroxide of claim 1, wherein the silicon-based compound is at least one compound selected from the group consisting of alkali silicate, a silicate, hydrated silicic acid, silicic acid
25 anhydride, crystalline silicic acid, amorphous silica and an organosilicon compound.

5. The calcium hydroxide of claim 1, wherein the phosphorus-based compound is at least one
30 phosphorus-based compound selected from the group consisting of phosphoric acid, condensed phosphoric acid, polyphosphoric acid, and their salts.

6. The calcium hydroxide of claim 1, wherein the

aluminum-based compound is at least one compound selected from the group consisting of an aluminum salt, crystalline aluminum hydroxide, and amorphous aluminum hydroxide.

5

7. The calcium hydroxide of claim 1, wherein the inorganic acid is at least one inorganic acid selected from the group consisting of hydrochloric acid, nitric acid, and sulfuric acid.

10

8. The calcium hydroxide of claim 1, wherein the organic acid is at least one organic acid selected from the group consisting of citric acid, tartaric acid, ethylenediamine tetraacetic acid, malic acid, succinic acid, and their salts.

15

9. The calcium hydroxide of claim 1, having an average secondary particle diameter measured by a laser diffraction scattering method of 0.1 to 10 μm .

20

10. The calcium hydroxide of claim 1, having a BET method specific surface area of 5 to 40 m^2/g .

25

11. The calcium hydroxide of claim 1, which is surface-treated with at least one surface treating agent selected from the group consisting of (a) a higher fatty acid, (b) an alkali metal salt of a higher fatty acid, (c) a sulfuric ester of a higher alcohol, (d) an anionic surfactant, (e) a phosphoric ester, (f) a silane-, titanate- or aluminum-based coupling agent, (g) a fatty acid ester of a polyhydric alcohol, (h) a sorbitan fatty acid ester and (i) a silicon-based compound, a phosphorus-based compound, an aluminum-based compound, an inorganic acid and an

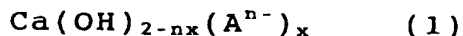
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organic acid.

12. A resin composition comprising:

(i) 100 parts by weight of synthetic resin, and

5 (ii) 0.1 to 10 parts by weight of calcium hydroxide represented by the following formula (1):



(wherein n represents an integer of 1 to 4, x represents a number of 0.001 to 0.2, and A^{n-} represents an anion
10 derived from at least one compound selected from the group consisting of a silicon-based compound, a phosphorus-based compound, an aluminum-based compound, an inorganic acid and an organic acid.)

15 13. The resin composition of claim 12, wherein A^{n-} is $\text{SiO}(\text{OH})_3^-$, $\text{Al}(\text{OH})_4^-$, Cl^- , NO_3^- , H_2PO_4^- , $\text{C}_6\text{H}_7\text{O}_7^-$, $\text{SiO}_2(\text{OH})_2^{2-}$, $\text{Si}_2\text{O}_6(\text{OH})_6^{2-}$, HPO_4^{2-} , $\text{C}_6\text{H}_6\text{O}_7^{2-}$, PO_4^{3-} , $\text{C}_6\text{H}_5\text{O}_7^{3-}$, SiO_4^{4-} , $\text{Si}_4\text{O}_8(\text{OH})_4^{4-}$ or a mixture thereof.

20 14. The resin composition of claim 12, wherein A^{n-} is $\text{SiO}(\text{OH})_3^-$, $\text{SiO}_2(\text{OH})_2^{2-}$, $\text{Al}(\text{OH})_4^-$ or a mixture thereof.

25 15. The resin composition of claim 12, wherein the calcium hydroxide has an average secondary particle diameter measured by a laser diffraction scattering method of 0.1 to 10 μm .

30 16. The resin composition of claim 12, wherein the calcium hydroxide has a BET method specific surface area of 5 to 40 m^2/g .

17. The resin composition of claim 12, wherein the calcium hydroxide is surface-treated with at least

one surface treating agent selected from the group consisting of (a) a higher fatty acid, (b) an alkali metal salt of a higher fatty acid, (c) a sulfuric ester of a higher alcohol, (d) an anionic surfactant, (e) a
5 phosphoric ester, (f) a silane-, titanate- or aluminum-based coupling agent, (g) a fatty acid ester of a polyhydric alcohol and (h) a silicon-based compound, a phosphorus-based compound, an aluminum-based compound, an inorganic acid and an organic acid.

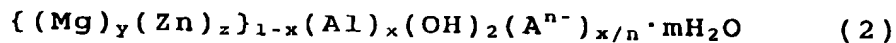
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18. The resin composition of claim 12, wherein the synthetic resin is a polyvinyl chloride or fluorocarbon rubber.

15

19. The resin composition of claim 12, further comprising (iii) 0.1 to 10 parts by weight of hydrotalcite.

20. The resin composition of claim 19, wherein
20 the hydrotalcite is represented by the following formula (2):



(wherein A^{n-} represents ClO_4^- , SO_4^{2-} , CO_3^{2-} or a mixture thereof, and x , y , z and m satisfy $y + z = 1$, $0.1 \leq x \leq 0.5$, $0.5 \leq y \leq 1$, $0 \leq z \leq 0.5$ and $0 \leq m < 1$.)

25

21. The resin composition of claim 19, wherein the weight ratio CH/HT of (ii) the calcium hydroxide (CH) to (iii) the hydrotalcite (HT) is 1/9 to 9/1.

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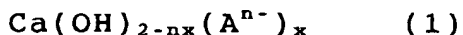
22. The resin composition of claim 19, wherein the hydrotalcite is a product calcined at 200°C or higher.

23. The resin composition of claim 19, wherein the hydrotalcite is surface-treated with at least one surface treating agent selected from the group consisting of (a) a higher fatty acid, (b) an alkali metal salt of a higher fatty acid, (c) a sulfuric ester of a higher alcohol, (d) an anionic surfactant, (e) a phosphoric ester, (f) a silane-, titanate- or aluminum-based coupling agent, (g) a fatty acid ester of a polyhydric alcohol and (h) a silicon-based compound, a phosphorus-based compound, an aluminum-based compound, an inorganic acid and an organic acid.

24. A molded article comprising the resin composition of claim 12.

15

25. A stabilizer for synthetic resins which comprises a calcium hydroxide compound (CH) represented by the following formula (1):



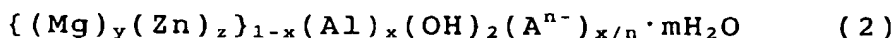
(wherein n represents an integer of 1 to 4, x represents a number of 0.001 to 0.2, and A^{n-} represents an anion derived from at least one compound selected from the group consisting of a silicon-based compound, a phosphorus-based compound, an aluminum-based compound, an inorganic acid and an organic acid.)

25

26. The stabilizer of claim 25, further comprising hydrotalcite (HT) and showing a CH/HT (weight) of 1/9 to 9/1.

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27. The stabilizer of claim 25, wherein the hydrotalcite is represented by the following formula (2):



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(wherein A^{n-} represents ClO_4^- , SO_4^{2-} , CO_3^{2-} or a mixture thereof, and x , y , z and m satisfy $y + z = 1$, $0.1 \leq x \leq 0.5$, $0.5 \leq y \leq 1$, $0 \leq z \leq 0.5$ and $0 \leq m < 1$.)